

12-19-07

**United States Environmental Protection Agency  
Region V  
POLLUTION REPORT**

EPA Region 5 Records Ctr.



286239

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**Date:** Wednesday, December 19, 2007  
**From:** Verneta Simon, on-scene coordinator

<b>To:</b>	Verneta Simon, u.s.epa John Maritote, U.S. EPA David Chung, U.S. EPA Aaron Martin, Illinois Department of Public Health Charles Gebien, U.S. EPA Michelle Watters, ATSDR Lisa Graczyk, Dynamac Corporation Leonard Zintak, U.S. EPA	Linda Nachowicz, U.S. EPA Mark Johnson, ATSDR Bruce Everetts, Illinois EPA Ropski Carol, U.S. EPA  Richard Karl, U.S. EPA Thomas Baughman, IDPH Jay Rauh, Weston Solutions, Inc.
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**Subject:** Deerfield Residential Mercury Spill  
Ash Street, Deerfield, IL

Non-Responsive

Non-Responsive

<b>POLREP No.:</b>	2	<b>Site #:</b>	
<b>Reporting Period:</b>	12/19/2007	<b>D.O. #:</b>	
<b>Start Date:</b>	12/19/2007	<b>Response Authority:</b>	CERCLA
<b>Mob Date:</b>	12/18/2007	<b>Response Type:</b>	Emergency
<b>Completion Date:</b>		<b>NPL Status:</b>	Non NPL
<b>CERCLIS ID #:</b>		<b>Incident Category:</b>	Removal Action
<b>RCRIS ID #:</b>		<b>Contract #</b>	

**Site Description**

See initial POLREP

**Current Activities**

Reporting Period: December 19, 2007

U.S. EPA OSC Verneta Simon began a fund-lead mercury clean-up at Ash Street on December 19, 2007. The homeowner's insurance did not provide coverage for mercury spills, so U.S. EPA and their contractors conducted the removal. U.S. EPA, WESTON START and the Environmental and Rapid Response Services (ERRS) contractors mobilized to the site on December 19, 2007.

OSC Simon met START member Rauh at the residence at 1200 hours. The resident left his HVAC system set to 80°F with all windows closed. Rauh and Simon entered the house with

a Lumex MVA. Readings were as follows:

- ☐ Foyer □ 380 ng/m<sup>3</sup>
- ☐ Living room □ 5,750 ng/m<sup>3</sup>
- ☐ Kitchen □ 5,754 ng/m<sup>3</sup>
- ☐ Child's bedroom □ 9,782 ng/m<sup>3</sup>
- ☐ Master bedroom □ 5,554 ng/m<sup>3</sup>
- ☐ Office/3rd bedroom □ 5,274 ng/m<sup>3</sup>

ERRS contractors Environmental Restoration (ER) arrived at 1300 hours. There were two team members including Response Manager (RM) Tobin Viehweg. ER took the following removal actions:

- ☐ Installed a negative air machine and opened window to vent the house
- ☐ Bagged personal items in the child's bedroom
- ☐ Removed carpeting and under-pad
- ☐ Vacuumed all dirt, dust, and loose material under the carpet with a mercury vacuum
- ☐ Bagged carpeting, bedding, and mattress
- ☐ Placed all bagged items in a detached garage with a portable kerosene heater
- ☐ Closed windows of the house and set HVAC system to 80°F

At 1625 hours, when the temperature inside the house reached 77°F, Rauh entered with a Lumex MVA. Readings were as follows:

- ☐ Foyer □ 38 ng/m<sup>3</sup>
- ☐ Living room □ 299 ng/m<sup>3</sup>
- ☐ Child's bedroom - 293 ng/m<sup>3</sup>
- ☐ Master bedroom □ 315 ng/m<sup>3</sup>
- ☐ Office/3rd bedroom □ 312 ng/m<sup>3</sup>
- ☐ Kitchen - 277 ng/m<sup>3</sup>

OSC Simon cleared the house for re-occupancy based on the readings from the Lumex MVA.

#### **Planned Removal Actions**

- ☐ Arrange disposal of mercury-contaminated waste and personal items at an appropriate waste facility

#### **Next Steps**

- ☐ The family requested U.S. EPA and START to return in January 2008 to air monitor their home.

#### **Key Issues**

- ☐ Dr. Michelle Watters, ATSDR, and Dr. Tom Baughman, Illinois Department of Public Health, have both talked to the family regarding their health concerns and any follow-up medical testing.

**Estimated Costs \***

	<b>Budgeted</b>	<b>Total To Date</b>	<b>Remaining</b>	<b>% Remaining</b>
<b>Extramural Costs</b>				
<b>Intramural Costs</b>				
<b>Total Site Costs</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>0.00%</b>

\* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

[www.epaosc.net/DeerfieldHg](http://www.epaosc.net/DeerfieldHg)